AMENDMENT UNDER 37 C.F.R. § 1.116 Attorney Docket No.: Q86052

Application No.: 10/525,014

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

- (canceled).
- (canceled).
- (currently amended): A phosphor represented by formula

$$(M^{1}_{1-a}Ln^{2}_{a})_{2}(M^{2}_{1-b}Ln^{1}_{b})_{2}M^{3}_{2}O_{9}$$

wherein M¹ is at least one metal element selected from the group consisting of Ca, Sr, and Ba, M² is at least one metal element selected from the group consisting of Y, La, Gd, and Lu, M³ is at least one metal element selected from the group consisting of Si and Ge and oxygen, Ln¹ is at least one metal element selected from the group consisting of Ce, Pr, Nd, Pm, Sm, Eu, Tb, Dy, Ho, Er, Tm, Yb, and Mn, Ln² is at least one element selected from the group consisting of Sm, Eu, Yb, and Mn, a is from 0 to 0.5, b is from 0 to 0.5, and the sum of a and b is not less than 0).

4. (currently amended): A phosphor represented by formula

$$(M^1{}_{1\text{-c}} Ln^2{}_c)_3 (M^2{}_{1\text{-d}} Ln^1{}_d)_2 M^3{}_2 O_{10}$$

wherein M¹ is at least one metal element selected from the group consisting of Ca, Sr, and Ba, M² is at least one metal element selected from the group consisting of Y, La, Gd, and Lu, M³ is at least one metal element selected from the group consisting of Si and Ge and oxygen, Ln¹ is at least one metal element selected from the group consisting of Ce, Pr, Nd, Pm, Sm, Eu, Tb, Dy, Ho, Er, Tm, Yb, and Mn, Ln² is at least one element selected from the group consisting of Sm, Eu, Yb and Mn, c is from 0 to 0.5, d is from 0 to 0.5 and the sum of c and d is not less than 0,

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5. (currently amended): A vacuum ultravioler radiation excited light emitting devicecomprising a phosphor represented by formula

M1 Ln2 (M2 L1 1) 2M3 6018

Board Decision

wherein M¹ is at least one metal element selected from the group consisting of Ca, Sr, and Da, M² is at least one metal element selected from the group consisting of Si and Ge and oxygen, La¹ is at least one metal element selected from the group consisting of Si and Ge and oxygen, La¹ is at least one metal element selected from the group consisting of Ce, Pr, Nd, Pm, Sm, Eu, Tb, Dr, Ho, Er, Tm, Yb, and Mn, Lu² is at least one element selected from the group consisting of Sm, Eu, Yb, and Mn, e is from 0 to 0.5, tis from 0 to 0.5, and the sum of c and f is not less than 0.

 (previously amended): A vacuum ultraviolet radiation excited light-emitting device comprising the phosphor according to claim 3 or 4.